

Single Mode Broadband Tree Coupler Module SBTC - M x N (M: 1 or 2) (DL-SBTC-TTTT-UU-VV-W-X-Y-Z)

The Single Mode Broadband Tree Couplers can be used to split and mix optical signals. They have very low insertion loss, low polarization dependence and well controlled uniformity in a wide wavelength range as excellent environmental stability. These modules are ideal for CATV, LANs and other kinds of optical communication systems.

A. Specifications

Parameter	Value				Unit
	1 or 2 x 4	1 or 2 x 8	1 or 2 x 16	1 or 2 x 32	
Configuration	1 or 2 x 4	1 or 2 x 8	1 or 2 x 16	1 or 2 x 32	
Center Wavelength (λ_c)	1310 or 1550 or Specify				nm
Operating Wavelength	$\lambda_c \pm 40$				nm
Max. Excess Loss	0.25	0.4	0.55	0.7	dB
Max. Insertion Loss	6.8	10.2	13.6	17	dB
Max. Polarization Dependent Loss	0.2	0.3	0.4	0.5	dB
Max. Uniformity	1.2	1.8	2.4	3.0	dB
Thermal Stability	0.2	0.3	0.4	0.5	dB
Min. Return Loss	50				dB
Directivity	60				dB
Max. Optical Power (Continuous Wave)	300				mW
Operating Temperature	-5 to +70				°C
Storage Temperature	-40 to +85				°C

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

B. Ordering Information

DL-SBTC-TTTT-UU-VV-W-X-Y-Z

TTTT: Configuration

0104 - 1 x 4 0204 - 2 x 4

0108 - 1 x 8 0208 - 2 x 8

0116 - 1 x 16 0216 - 2 x 16

0132 - 1 x 32 0232 - 2 x 32

UU: Wavelength

31 - 1310 nm

55 - 1550 nm

SS - Specify

VV: Coupling Ratio

BA - Balance

01 - 1% Tap/Balance

05 - 5% Tap/Balance

SS - Specify

W: Package Dimensions

A - 106 x 79 x 10 mm (for 1, 2 x 4)

B - 125 x 96 x 15 mm (for 1, 2 x 8)

C - 145 x 116 x 18 mm (for 1, 2 x 16, 1, 2 x 32)

S - Specify

X: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

Y: Fiber Type(SMF-28)

L - 900 μ m loose tube

C - 3 mm cable

Z: Fiber Length

H - 0.5 m

S - Specify